FAA-SPONSORED RTCA DO-254/EUROCAE ED-80 WORKSHOP

FAA Great Lakes Regional Conference Center
2300 E. Devon Ave
Des Plaines, IL 60018

March 17-19, 2015

All users of DO-254—equipment suppliers, airframe manufacturers, certification authorities, and independent certification consulting companies—are invited to participate in an FAA-sponsored Workshop to identify emerging topics and issues in Airborne Electronic Hardware (AEH) development.

Each participating organization will be expected to present their top concerns regarding DO-254/ED-80 and certification of products containing airborne electronic hardware, and contribute to focused group discussions of individual issues. See page 2 for *Workshop Structure*. With full participation by everyone during discussion, we hope to achieve clear direction from the Workshop concerning AEH and DO-254/ED-80.

WORKSHOP SPECIFICS
While there is no charge for the Workshop, you must register in advance and no later than March 1, 2015. Registration is limited to 150 participants. Each organization must have one, but only one, Spokesperson. This applies whether an organization sends one person or multiple persons. *Instructions for Registration, Facility, Parking, and Local Information* may be found on page 3 of this Invitation. Please note that, if registration demand exceeds room capacity, Workshop registration preference will be given to Spokespersons.

All non-US citizens MUST also send an email to Barbara Lingberg, barbara.lingberg@faa.gov, by February 9, 2015 (or immediately thereafter) stating their intent to attend.

AGENDA
A detailed *Agenda* for the Workshop may be found on page 4 of this Invitation.

We look forward to your participation.

Barbara Lingberg
Software and Airborne Electronic Hardware Team Lead
FAA/AIR-134 Design, Manufacturing, and Airworthiness Division

WORKSHOP STRUCTURE
To achieve the goals for the Workshop, it will be broken into four phases:
1. Presentation of issues:
   During the first phase, each organization will have the opportunity to present to the full Workshop audience. Presentations will be made without discussion so that everyone can hear other organizations' concerns.

2. Focused discussion:
   The top issues presented will be identified and slated for brief, but focused discussions. These discussions will allow other participants to contribute to further refinement of the topic.

   Some topics may be the subject of more than one discussion session so more people have a chance to contribute to the topic's discussion.
   Participants are encouraged to seek discussions with their colleagues during the two-hour lunch breaks.

3. Presentation of Workshop results:
   The results of the focused discussions will be presented, including areas of intense agreement and areas of intense disagreement.

4. Discussion of recommendations:
   Finally, participants will discuss proposals to move forward including potential revision to DO-254/ED-80 with a recommendation for RTCA and EUROCAE.

The Workshop will be led by a Workshop Panel with membership representative of the Workshop participants. The Workshop Panel will help keep the Workshop on schedule. The Panel will also collect issues presented, identify topics for focused discussions, and summarize the results for the Workshop.

PRESENTATION INFORMATION
Each participating organization will be asked to present their position regarding AEH design assurance following DO-254/ED-80. Presentations will be limited to 10 minutes per organization and should:

- Address up to 5 challenges to AEH design assurance, including those related to emerging technology and advancing process methodology. Attention should be paid to those that affect safety.
- Identify related DO-254/ED-80 objectives and state whether the topic warrants changes to DO-254/ED-80 objectives, changes to document content, or requires guidance toward the application of existing objectives.

The presentations (in .ppt or .pdf format) should be emailed to Barbara Lingberg, barbara.lingberg@faa.gov no later than March 12, 2015.

Each participating organization will be assigned to a Presentation Session after registration closes. The Spokesperson for each organization will be notified of the Presentation Session assignment by email. Although we have allowed 10 minutes per organization, the number of organizations attending will dictate the actual amount of time allowed. Each Spokesperson should prepare to be flexible in this regard, particularly if the time allowed needs to be shortened.

WORKSHOP REGISTRATION, FACILITY, PARKING, AND LOCAL INFORMATION

REGISTRATION
Each organization MUST have one Spokesperson. This applies whether an organization sends one person or multiple persons. Each Spokesperson must register for both the Workshop and as "Spokesperson for Organization".
TO REGISTER FOR THE WORKSHOP, GO TO: https://av-info.faa.gov/DsgReg/sections.aspx
  ➢ **Login**: Enter username and password
  ➢ Read and click on "**I Accept the DRS Rules of System Use**"
  ➢ Click "**FAA AIR-130**"
  ➢ Click "**RTCA DO-254/EUROCAE ED-80 Workshop**"
  ➢ Click on "Go To Section"
  ➢ Click "**Enroll**" button
  ➢ Status should say you are now enrolled in the Workshop

SPOKESPERSONS ONLY: You have to register for both; once you complete the above,
  ➢ Click on "Home – View Schedules"
  ➢ Click "**FAA AIR-130**"
  ➢ Click "**RTCA DO-254/EUROCAE ED-80 Workshop: "SPOKESPERSON FOR ORGANIZATION**"
  ➢ Click on "Go To Section"
  ➢ Click "**Enroll**" button
  ➢ Status should say you are now enrolled in the Workshop: Spokesperson for Organization

FACILITY
The Workshop will be held in a secure FAA facility. US citizens will need a current (not expired) driver's license, passport, or FAA badge to enter. Foreign Nationals will need their passport to enter. Attendees will need to allow extra time in the morning and at lunch for security screening through a metal detector. The Workshop sessions will begin promptly as scheduled.

No walk-ins will be allowed. All foreign nationals must ensure they have security approval prior to home country departure. Confirmation of Workshop registration does NOT guarantee facility entry.

For security purposes, luggage may not be brought into the facility on any of the days, including the last day of the Workshop.

PARKING
Non-FAA employees will need to park on the east side of the complex (freeway side) in spaces outside of the secured area. All participants will enter the secured area at the guard building where the guard will have a list of Workshop participants. Participants will be directed to the appropriate building entry door.

LOCAL INFORMATION
Attendees are responsible for making their own hotel and transportation arrangements. The FAA Great Lakes Regional Conference Center is conveniently located near Chicago's O'Hare Airport with many hotel options. A map, list of local hotels, and food establishments are available for download in Registration System.

DRAFT AGENDA
FAA DO-254/ED-80 WORKSHOP
FAA Great Lakes Regional Conference Center
March 17 – 19, 2015

TUESDAY, MARCH 17 2015
0700 to 0800   SECURITY CHECK-IN AND REGISTRATION
0800 to 0900   WELCOME AND WORKSHOP INTRODUCTIONS
0900 to 1000   PRESENTATION OF ISSUES - SESSION A
1000 to 1030   *break*
1030 to 1200   PRESENTATION OF ISSUES - SESSION B
1200 to 1400   *lunch* (working lunch for Workshop Panel)
1400 to 1530   PRESENTATION OF ISSUES - SESSION C
1530 to 1600   *break*
1600 to 1730   PRESENTATION OF ISSUES - SESSION D
1730   ADJOURN WORKSHOP FOR DAY
1730 to 1830   WORKSHOP PANEL REVIEW

WEDNESDAY, MARCH 18, 2015
0700 to 0800   SECURITY CHECK-IN
0800 to 0830   WORKSHOP WELCOME
0830 to 1000   PRESENTATION OF ISSUES - SESSION E
1000 to 1030   *break*
1030 to 1200   PRESENTATION OF ISSUES - SESSION F
1200 to 1400   *lunch* (working lunch for Workshop Panel)
1400 to 1500   ISSUE DISCUSSIONS* - SESSION A
1500 to 1515   *quick break to move between sessions*
1515 to 1615   ISSUE DISCUSSIONS* - SESSION B
1615 to 1630   *quick break to move between sessions*
1630 to 1730   ISSUE DISCUSSIONS* - SESSION C
1730   ADJOURN WORKSHOP FOR DAY
1730 to 1830   WORKSHOP PANEL REVIEW
* concurrent discussions are planned for each Session

THURSDAY, MARCH 19, 2015
0700 to 0800   SECURITY CHECK-IN
0800 to 0815   WORKSHOP WELCOME
0815 to 0915   ISSUE DISCUSSIONS* - SESSION D
0915 to 0930   *quick break to move between sessions*
0930 to 1030   ISSUE DISCUSSIONS* - SESSION E
1030 to 1045   *quick break to move between sessions*
1045 to 1145   ISSUE DISCUSSIONS* - SESSION F
1145 to 1315   *lunch* (working lunch for Workshop Panel)
1315 to 1445   SUMMARY OF ISSUE DISCUSSIONS
1445 to 1515   *break*
1515 to 1645   DISCUSSION OF RECOMMENDATIONS TO RTCA/EUROCAE
1645 to 1700   WORKSHOP CONCLUSION
* concurrent discussions are planned for each Session